GOVERNMENT OF INDIA
COMMUNICATIONS
LOK SABHA

UNSTARRED QUESTION NO:3772
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Internet of Things
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Will the Minister of COMMUNICATIONS be pleased to state:

(a) the major features of internet of things along with the benefits thereof;

(b) whether the country aims to capture twenty per cent market share in Internet of Things (IoT);

(c) if so, the details thereof; and

(d) the steps taken/being taken by the Government in this regard?

Answer

THE MINISTER OF STATE (IC) OF THE MINISTRY OF COMMUNICATIONS &
MINISTER OF STATE IN THE MINISTRY OF RAILWAYS
(SHRI MANOJ SINHA)

(a) The Internet of Things (IoT) uses a device (such as a sensor) to capture an event, which is relayed through a network (wireless, wired or hybrid) to an application, that translates the captured event into meaningful information. The term IoT is also being inter-changeably used with Machine to Machine (M2M) communication.

IoT will play an important role in bringing intelligence to the field level in various sectors and facilitate in transforming them to smart sectors, by reducing the human-machine interface. As IoT is the basis for automated information exchange between machines, it has the potential to dramatically impact various industry verticals like Smart City, Automobile, Energy and utilities, Water Management, Health care, Agriculture, Safety and Surveillance, Supply Chain etc. It can bring substantial and tangible social and economic benefits to consumers, businesses, citizens and governments by improving efficiency.

(b) The Government recognises the potential and big opportunity offered by IoT and is committed towards development of a vibrant IoT ecosystem. According to a market estimate, India would have a share of 5-6% of global IoT industry. However, no such target has been set by the Government at present to capture market share in IoT.

(c) Not applicable in view of (b) above.

(d) Ministry of Electronics and Information Technology (MeitY) has set up a Centre of Excellence (CoE) on Internet of Things (IoT) at Bengaluru to be executed jointly by ERNET (Education and Research Network) India and NASSCOM (National Association of Software and Services Companies) in Public Private Partnership (PPP) mode with participation of State Government. Its objectives are to enable India as innovation hub in IoT through democratization of innovation and will promote design, prototype and manufacturing ecosystem for IoT by harnessing and creating capacity with academia, startups and technology providers. In addition, more than 15 research projects in the domain of IoT have been initiated by MeitY in R&D institutions for technology development.

Besides, 'National Telecom M2M Roadmap' was released by Department of Telecommunications (DoT) in May, 2015 with the purpose of boosting development of M2M based products and to provide efficient citizen centric services in India . The Roadmap outlines the broad policy and regulatory approach to facilitate the M2M ecosystem in the country. The Roadmap focuses on communication aspects of M2M with the aim to have interoperable standards, policies and regulations for growth of M2M in the country.

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